

Source Control Proposed Plan

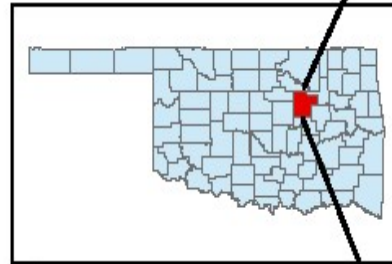
WILCOX OIL COMPANY, BRISTOW, OK

BRIEFING MAY 8, 2018

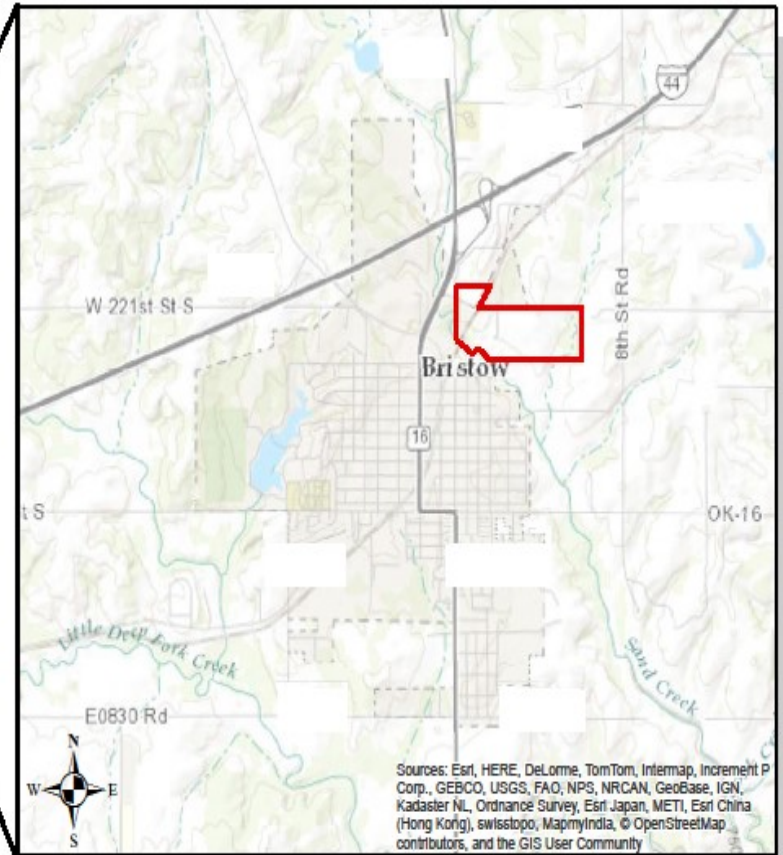


Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Wilcox Oil Company Superfund Site Bristow, OK



Site Background

Operation:
Oil Refinery

Activity Period:
1915 through 1963

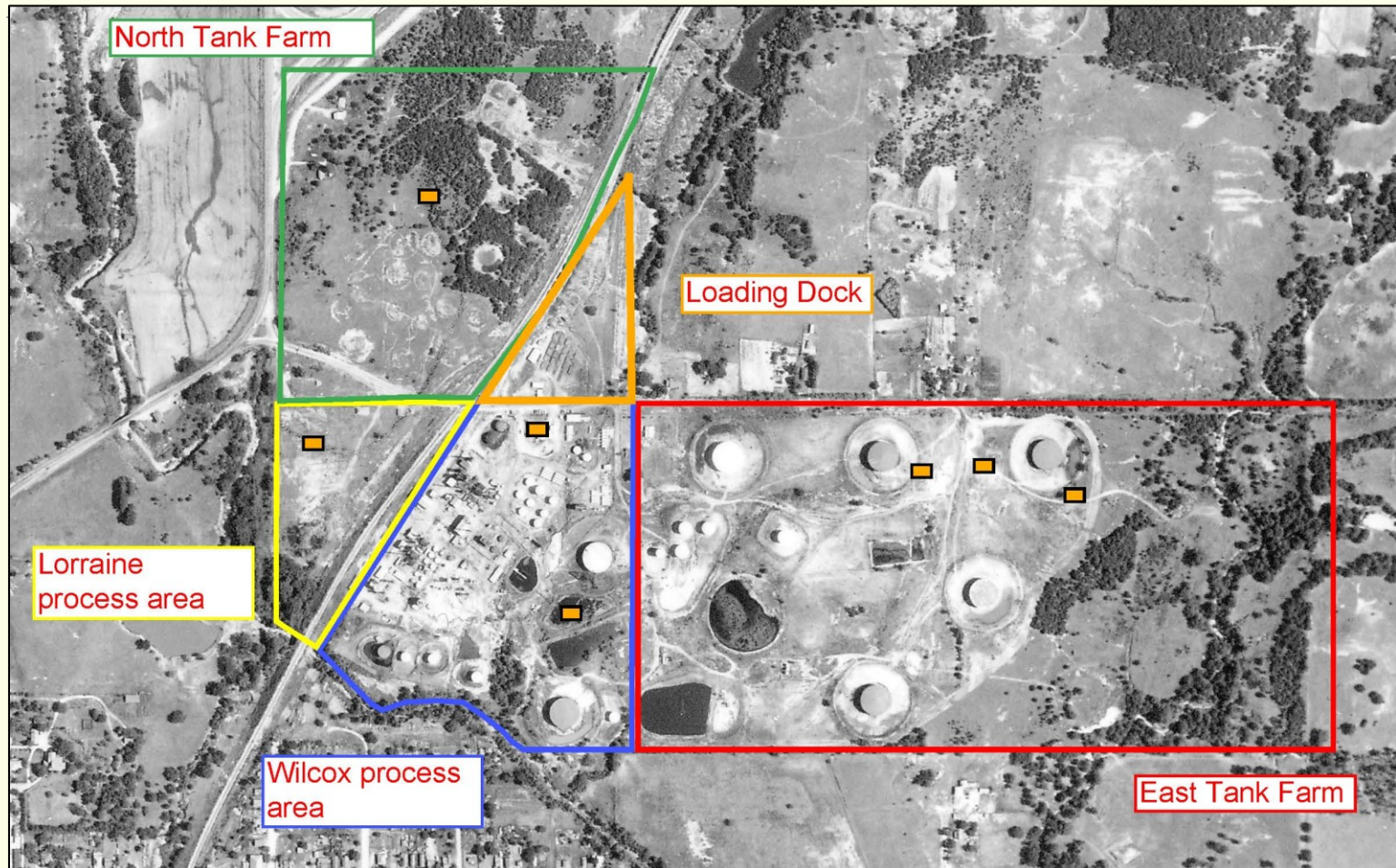
Size:
about 140 to 150
acres

Listed:
December 12, 2013

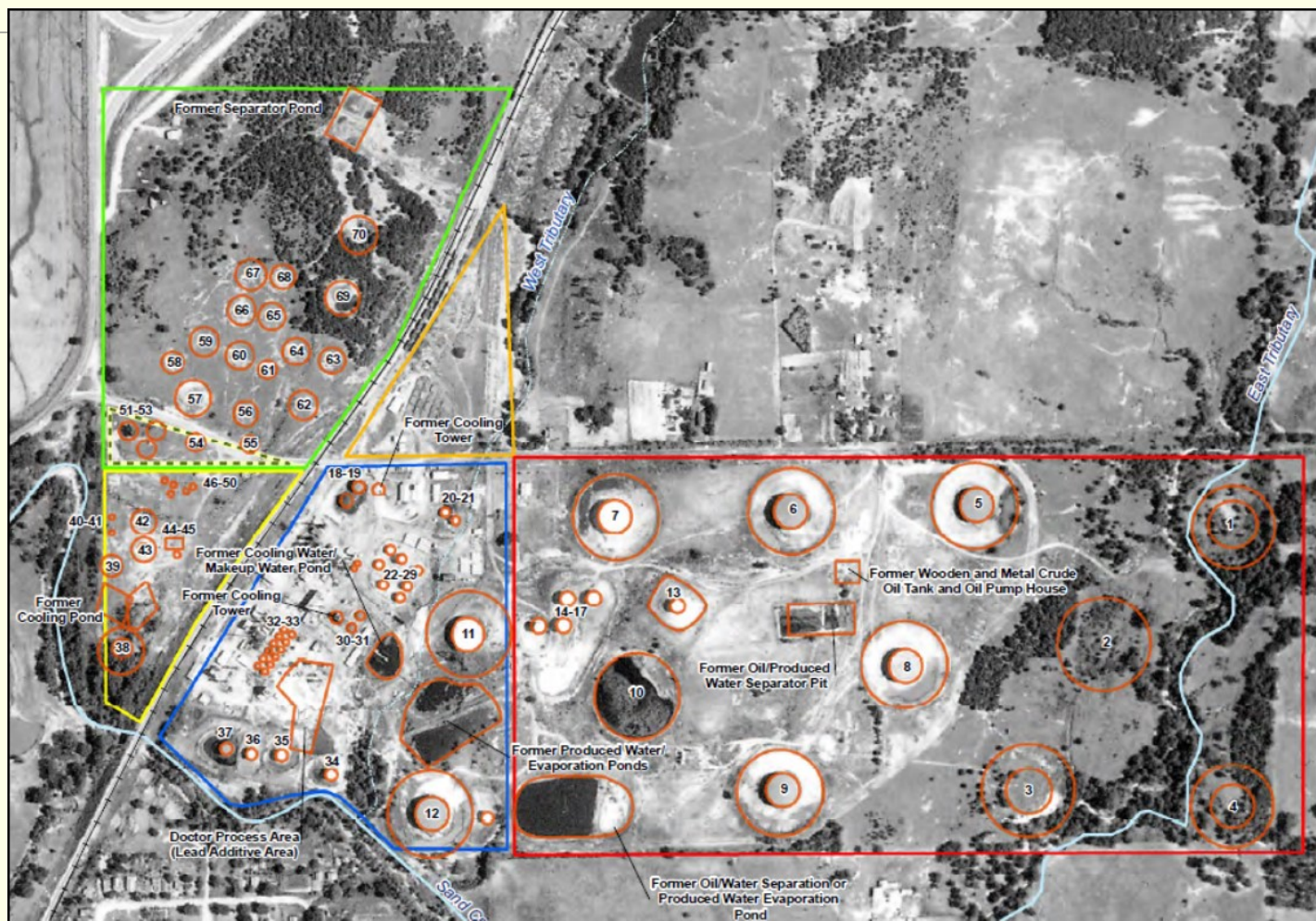


1950s Aerial Photograph

Site Remedial Investigation (RI)



Site Remedial Investigation (RI)



RI Field Work – Phase Approach

Phase 1 – Site Screen and Residential Sampling

Phase 2 – Data Collection over multiple field events

- Sources
- Soils
- Surface water
- Sediment
- Ground water
- Soil gas and indoor air

Source Identification

- Tank waste
- Lead Additive Area

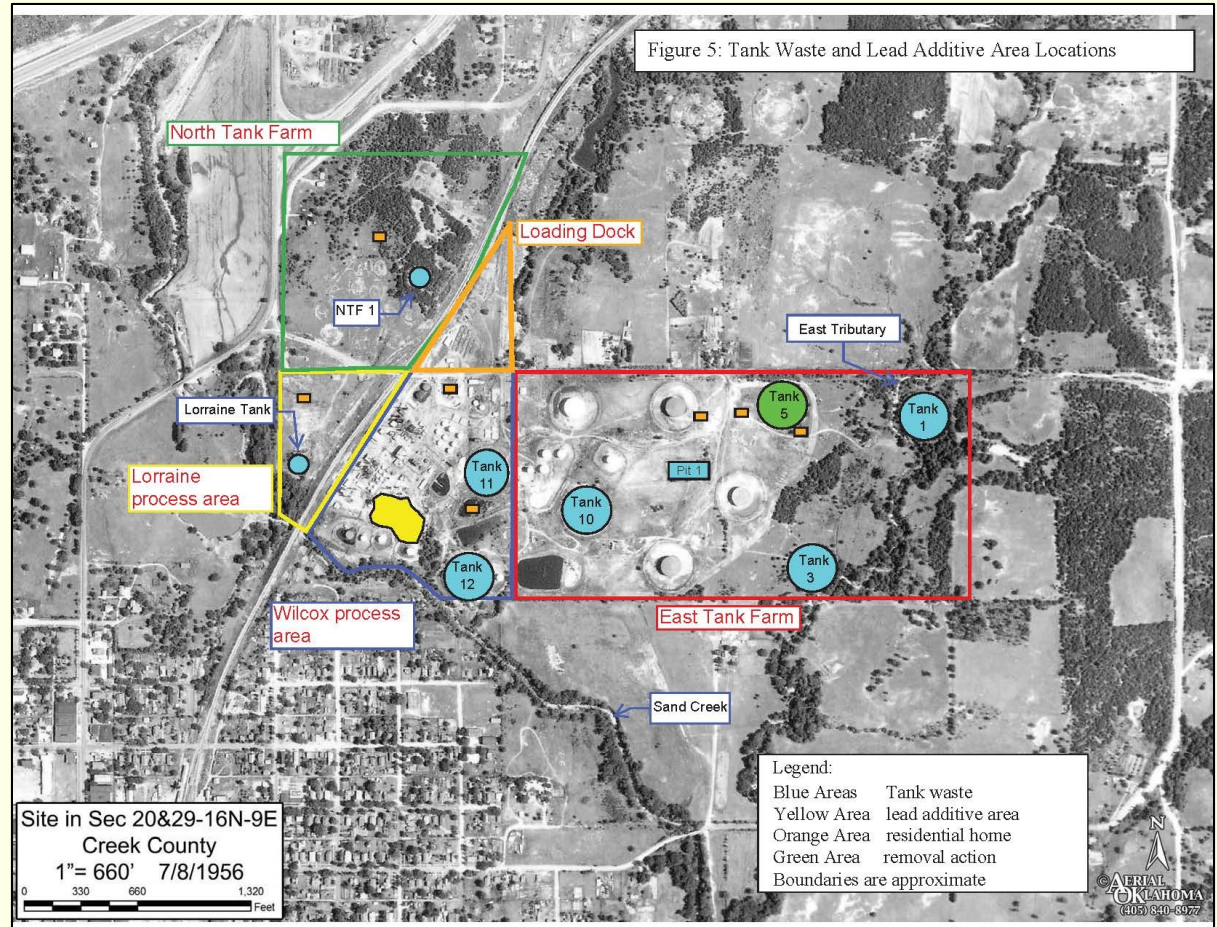


Source Control Action

Tank Waste and Lead Additive Area

Benefits:

- Potential for No further Action in the East Tank Farm
- 9 Sources removed
- 5 migration Pathways to the Creek removed
- 3 Residential Properties addressed
- Overall Site Risk Reduction: Human and Ecological



Alternatives Evaluated

No Action

Excavation, Treatment and Offsite Disposal \$4,135,294

Excavation, Treatment, Consolidation, Capping \$4,633,269

Source Material Health-Based Target Levels¹			
Contaminant	Data Results (mg/kg)	Health Based Target Level (mg/kg)	Health-Based Target Level Basis
Lead	105,000	800	Protection of blood lead levels in workers
Benzo(a)pyrene	12	0.11	Residential Cancer Screening Number at 10-6 Risk
1- Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2017 mg/kg = milligram per kilogram			

Alternative Proposed

Excavation, Treatment, and Offsite Disposal

\$4,135,294

Areas of Remediation – Estimated Volumes	
Area Name	Volume Estimated (cubic yards)
Lorraine Waste	953
Lead Additive Area	2269
Tank 1	3,323
Tank 3	3,608
NTF-1	818
Tank 10	9,902
Tank 11	431
Tank 12	4,788
Pit 1	4,270
Total	30,362 (5 Acres)

Community Involvement

HQ Review and Input

- Lead consultation

January 2018

ODEQ Review and Input

- Management Call

February-April 2018

Tribal Review and Input

- Consultation
- Meeting

February-April 2018

Public Meeting

May/June 2018

Source Control ROD

June/July 2018